03C⬤ #Le P3 81ce/o7

OIPE

```
     RAW SEQUENCE LISTING              DATE: 06/14/2000
     PATENT APPLICATION:  US/09/540,235    TIME: 08:57:55

     Input Set : N:\COPIES\PTOIES.txt
     Output Set: N:\CRF3\06142000\I540235.raw
```

P.S

ENTERED

```
 1 <110> APPLICANT: Fisher, Dane K.
 2        Lalgudi, Raghunath V.
 4 <120> TITLE OF INVENTION: Nucleic Acid Sequences from Cyanidium caldarium and Uses
 5        thereof
 7 <130> FILE REFERENCE: 38-21(15749)B
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/540,235
C--> 9 <141> CURRENT FILING DATE: 2000-04-03
 9 <150> PRIOR APPLICATION NUMBER: 60/128,439
11 <151> PRIOR FILING DATE: 1999-04-06
13 <160> NUMBER OF SEQ ID NOS: 5674
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 408
17 <212> TYPE: DNA
18 <213> ORGANISM: Cyanidium caldarium
20 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-A12
22 <400> SEQUENCE: 1
24 acgccgtcga ttgagaatta cgagttgctt tcgagtctcg gctgttggtt catattattc   60
26 tttgctgaaa gcgtttgggg cttgtatcag tcgccatgaa gtattccaaa gttgtatcgt  120
28 cgtctagaag aaagcagagg aaagcatact ttcaagcacc atcttctgta cgacgaatac  180
30 tcatgagtgc acccttgtcc aaggaactac gtacgaaata cagcgttcgt tctttaccta  240
32 ttcgaaaaga agacgaagta atcatagttc gcggagcttt caagggtaga gaaggaaaag  300
34 ttacaacgtg ttatcgaaag aaatatcgga tacatatcga gagagtgacc agagaaaaag  360
36 cgaatggaat gactgtacct gtgggaatac atccatctaa tgttgtta           408
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 73
41 <212> TYPE: DNA
42 <213> ORGANISM: Cyanidium caldarium
44 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-A3
46 <400> SEQUENCE: 2
48 agggcggcgt cataatagaa atccgaaagg agtagaagaa aagagagaga agaaagagaa   60
50 gaagagaaaa gcc                                                       73
53 <210> SEQ ID NO: 3
54 <211> LENGTH: 415
55 <212> TYPE: DNA
56 <213> ORGANISM: Cyanidium caldarium
58 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-A5
60 <400> SEQUENCE: 3
62 ggcggcgtca taatagaaat ccgaaaggag tagaagaaaa gagagagaag aaagaaaaga   60
64 agagaaaagc cgtactgaag accgacacag gtactcgagg agaaaggaga cccaaattaa  120
66 ggtgagagaa tggacgataa ggaactaggc aaaaggatat ggtatctgcg gtagaacata  180
68 tgaaagaagc agcaccgact gtttagcaaa aacacagcac tctgcagaaa agagaaaatg  240
70 taaagtatag agtgtgcggc ctgccaaata gtagagaaga aatcgatgaa agtgaaagcg  300
72 agtaaaagat gaggtataga gaatggcggt cctaactgta aggatccaaa ggtagcgaag  360
74 taaatagacg tttgaaaggc gtccagtatg aaaggagaaa cgagtgtagc actgt        415
77 <210> SEQ ID NO: 4
78 <211> LENGTH: 350
79 <212> TYPE: DNA
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                    RAW SEQUENCE LISTING           DATE: 06/14/2000
                    PATENT APPLICATION:  US/09/540,235   TIME: 08:57:55

                 Input Set : N:\COPIES\PTOIES.txt
                 Output Set: N:\CRF3\06142000\I540235.raw

 80 <213> ORGANISM: Cyanidium caldarium
 82 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-A6
 84 <400> SEQUENCE: 4
 86 gaggaaagaa agatcaagga agtaagagta agagaaggag taatgtgaat gaaagcagga   60
 88 aagtatttga agaagagagt gtaaagcgcg tacctttgc ataatgtccc agcgagtgaa  120
 90 agaggaagca taaaaaaaaa agaactaagc aaaaagaaaa aaaacagca gaaaaaaaat  180
 92 atgaaaaaaa caacaccaac agttaaaaaa aaaacacaac actcagcaaa aaaaaaaaaa  240
 94 atgtaaaata aagaatgtga cggactgcca aaaaaaaaaa aaaaagggcg agcaccctga  300
 96 aaggtactaa ccttatgagg tatacagaat gacggtacta actgtaaaga             350
 99 <210> SEQ ID NO: 5
100 <211> LENGTH: 413
101 <212> TYPE: DNA
102 <213> ORGANISM: Cyanidium caldarium
104 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-A8
106 <400> SEQUENCE: 5
108 ctagttttatt aacctttcta agaattggtg cctttgtgtt tggtgtagct gcaggttttg   60
110 gaagtgcttc agcggaccat cgtaaaagag aaaaaatttt aatttctaaa attcacgagc  120
112 gcaatgccaa aattgaggcg ttggaaagtg aactaaagca actgaaaggg gaaattccag  180
114 cttctacagg tgatccagtt caagattggt tgaatcaatt ggaataagat gtatatgtta  240
116 caagtgcctt gtggaagaga gagatagtca tttgaataaa attagttctt ttcccaacaa  300
118 aaaaaaaaac aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaaa  360
120 aaagaaagag ctgaaaaaaa aaattagagt aaaaaaaaaa aaaaaagggg ggg          413
123 <210> SEQ ID NO: 6
124 <211> LENGTH: 410
125 <212> TYPE: DNA
126 <213> ORGANISM: Cyanidium caldarium
128 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-A9
130 <400> SEQUENCE: 6
132 cccacgcgtc cgcccacgcg tccgcccacg cgtccgccca cgcgtccgcc cacgcgtccg   60
134 cccacgcgtc cgattttgt caaaatttca caaagagata tcgatcctaa agatatccca  120
136 agattgggtc atggagaaga agaattggga ttggcagaat cttttagtcg tgaaggtcga  180
138 gtcaactata tgttacagaa aagattggat gatttgcaac tagtgaagca gttggcagag  240
140 tctttgttgt tacctggcga ttatggttat tcttgtgaaa atgcactctt gctatatcat  300
142 acgcatgtgc tgccattgaa aaaggagttt tttgctcaac tgtatcaaat acaagaccac  360
144 tccaacatat catcgtggat agctcaacat tttccatttc atagtttttt             410
147 <210> SEQ ID NO: 7
148 <211> LENGTH: 271
149 <212> TYPE: DNA
150 <213> ORGANISM: Cyanidium caldarium
152 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-B11
154 <400> SEQUENCE: 7
156 cgaagatatt cttgacgcca aaaacgcatt ggaacacctg agtgggttca atgtagctgg   60
158 tcgatacctt attgtattgt atcatcaacc ggagaaaatg aaaaagaatg aggagaataa  120
160 agtgtagaag gttgtttgta acgtagagta tgcatattgt gtttgaccag cgtttggaac  180
162 tttgtagcta ttatccccgt ggacgtatgt gaatagtctt ggaatgactc cagcagtagg  240
164 agaaggctat taaaagtgat ggtttattgt g                                271
167 <210> SEQ ID NO: 8
168 <211> LENGTH: 433
169 <212> TYPE: DNA
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170 <213> ORGANISM: Cyanidium caldarium
172 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-B3
174 <400> SEQUENCE: 8
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178 gataaaggtc cactcgtggc aacttgttca gaagacaagt ccgtagcgtt gtgggacctt   120
180 cgagtcacgg ccccgctgca gagcttgaag tgctctcacc ccctgagttg tgtatcttat   180
182 ggaagagatg actcagaaat cataacatca gactatagtg gttcggcaag gatatggaat   240
184 attgaaacaa atcgacaaat tggtcgttta cagactcgcg actcttctat tctcacaggt   300
186 tttcttcacg atacagcccg ctcactattt attatgtttg gaagctctgg atacgtatac   360
188 atcagtctac taaactccaa acggggaaca ggagagcgta aacttcgact taaatatgta   420
190 cacgggaaat cta                                                        433
193 <210> SEQ ID NO: 9
194 <211> LENGTH: 441
195 <212> TYPE: DNA
196 <213> ORGANISM: Cyanidium caldarium
198 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-B5
200 <400> SEQUENCE: 9
202 agctcgtgag atgcgttaag ttatgtcaga aacgagtgat atatccaact gcagcaactt    60
204 gtgttacata cttgtctctg ttggtactgt tgtagccatc ctcttcactg cttcgttggt   120
206 aggactcgtt tcacgaagaa gaagtcaacg aatacgagag tttccgaacc cgttactaga   180
208 tgaagagttt gccgaaagtg ttcgctcgga cgaaattggt cgctatttcc tggaaagagt   240
210 tgtaatggaa gagtttcttt tagtagatga aacgggcaag tcttttgttc cccctttaac   300
212 actaaaccgg gacaatgtgg agactgtata tcctgaggtg tcctttgaac gtcatctcgc   360
214 ttgtggtaag ggagagagta gtacacctga agtggtgttt tgtagtatat gtctagacga   420
216 aattaattcg cagaatgttg t                                               441
219 <210> SEQ ID NO: 10
220 <211> LENGTH: 424
221 <212> TYPE: DNA
222 <213> ORGANISM: Cyanidium caldarium
224 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-B6
226 <400> SEQUENCE: 10
228 acaacgcgtc atgccataag ttagatcaaa gtttagtgat aaatccagct gcagcaactt    60
230 gtgtcatata tgtgtcactg ttggtactgt tattgccatc atcatcattg cttcgatggt   120
232 atgacgcatt tcacaaagaa gaatcatcga agtatagagt ttcctgacac gtcagtagat   180
234 ttatagtttg ctgacagtgt tcgatcggag gatattggtc gctatttcct gcaaagagtt   240
236 gtaatggtag agtttctttt agtatatgaa acgggcaagt cgtttgttcc cccttttaaca  300
238 ctaaaccggg acaatgtgga gactgtatat cctgaggtgt cctttgaacg tcatctcgct   360
240 tgtggtaacg gagagagtag tacacctgaa atggtgtttt gtagtatatg tccagacgaa   420
242 atta                                                                  424
245 <210> SEQ ID NO: 11
246 <211> LENGTH: 393
247 <212> TYPE: DNA
248 <213> ORGANISM: Cyanidium caldarium
250 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-B8
252 <400> SEQUENCE: 11
254 cgattttgag ttccgcttga atgatggttc tactgtaaag ttaggtccct tactcaatat    60
256 gaaacttact gatgatgatg ttgctgctgg tctatccaat aatcgggtgt tgcaggctgc   120
258 atttattatt ttacgtgacg aaaagaaacc attagatgcg aaagctcttg ctgaacgcgc   180
260 atcggaaagg ggattccact gtctctcttt gatgccgaat aatacattct ctagccaaat   240
```

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262 atatcgtaat atgaagagaa agaaggaaca ttctgcattt tataaagtca ataatgggga   300
264 attcggtcta aaaatttggc ttcgtgagga agccaatgcc aagatggagg acggagaaac   360
266 aaacaagaaa actcatcaag gcaccgtatc tga                                393
269 <210> SEQ ID NO: 12
270 <211> LENGTH: 399
271 <212> TYPE: DNA
272 <213> ORGANISM: Cyanidium caldarium
274 <223> OTHER INFORMATION: unsure at all n locations
275 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-B9
277 <400> SEQUENCE: 12
279 cccacgcgtc cgcggacgcg tgggatacag tttccttcac ttgtggttgg gattgttgcg    60
281 caatgttcaa gtcgctagct tttatttcca tctatttgaa atatccacgc tgcagtagct   120
283 cggtgcaaac aaacgcagca cgaacaatat ggaaaccttt attatcaacg tatcaacaga   180
285 gactttattc cggaatgtcc gttgatattc ggtgggtcac ttacaaaaac cgaaagtcgt   240
287 acacttcaag tatactaagt ttcaagtctt cctattccac acaaggagga gacacggagg   300
289 gcaagatacc tcattctaaa gatatgaaag gagaacctca gtccgcttca gatgcttacg   360
W--> 291 acaagacttg ggctaaagaa aacttcanag acacttctg                        399
294 <210> SEQ ID NO: 13
295 <211> LENGTH: 454
296 <212> TYPE: DNA
297 <213> ORGANISM: Cyanidium caldarium
299 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-C1
301 <400> SEQUENCE: 13
303 cccacgcgtc cgggcggcgt cataatagaa atccgaaagg agtagaagaa aagagagaga    60
305 agaaagaaaa gaagagaaaa gccgtactga agaccgacac aggtactcga ggagaaagga   120
307 gacccaaatt aaggtgagag aatggacgat aaggaactag gcaaaaggat atggtatctg   180
309 cggtagaaca tatgaaagaa gcagcaccga ctgtttagca aaaacacagc actctgcaga   240
311 aaagagaaaa tgtaaagtat agagtgtgcg gcctgccaaa tagtagagaa gaaatcgatg   300
313 aaagtgaaag cgagtaaaag atgaggtata gagaatggcg gtcctaacag taaggatcca   360
315 aaggtagcga agtaaataga cgtttgaaag gcgtccagta tgaaaggaga aacgagtgta   420
317 gcactgtcta gtcgtccaac tcagcgaaac agca                               454
320 <210> SEQ ID NO: 14
321 <211> LENGTH: 354
322 <212> TYPE: DNA
323 <213> ORGANISM: Cyanidium caldarium
325 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-C10
327 <400> SEQUENCE: 14
329 acccacgcgt ccgaaaaggg tacaaggact ttgtattcct tgttacttgt tgcccggtgc    60
331 aagataagct cgttgaaaag tacgggctac cgagtataga accgtactcg gaataaccgg   120
333 ctccaacaac ggcacataca actaatatag tttattggcg tgttttggaa aaaaatgttg   180
335 ggaactaatt taccgcagga aaaagaactc gacaggagct tttgtcgaat gatgttcgtg   240
337 taattcaaca cgatatagct gcaggctctt cagatataca agttgtcgaa acactattga   300
339 tacctcccaa tgtgcatatt tcaaaacaaa agtttcgtct cctagttgtg aggt          354
342 <210> SEQ ID NO: 15
343 <211> LENGTH: 386
344 <212> TYPE: DNA
345 <213> ORGANISM: Cyanidium caldarium
347 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-C11
349 <400> SEQUENCE: 15
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RAW SEQUENCE LISTING   DATE: 06/14/2000
PATENT APPLICATION: US/09/540,235   TIME: 08:57:55

Input Set : N:\COPIES\PTOIES.txt
Output Set: N:\CRF3\06142000\I540235.raw

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351 gaaagcatag gaagtgaaac ggattaggaa cccgtgtagt ctatgcagta aaagaaagaa    60
353 tgagtaagaa aaaagggagt cattccacca ggggagtaaa ggcgcaagaa agaaacccaa   120
355 agcaattgac gggaatcgga aaaaggggtg gatcacgtaa attaatccga taaaccgaga   180
357 accttacctc tccaagaagg tgttgcacgg ctgtcgaaag aacgtgctgt gaagtgagag   240
359 aacgtacgag aaagccaagt gaggaaaaga aggcaagtag agggcggccc gagaaaggag   300
361 agggcgtaag acgtgataca gagtaggaag aaaagagaag agagctagaa aggaggtaaa   360
363 agaagagtaa aaggactaga agaggt                                        386
366 <210> SEQ ID NO: 16
367 <211> LENGTH: 407
368 <212> TYPE: DNA
369 <213> ORGANISM: Cyanidium caldarium
371 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-C12
373 <400> SEQUENCE: 16
375 aattgaaaaa aaatataata ataaaatata taaaaacata caaaaaatac ctttttataat   60
377 attattagtt attgatttta tcaaactatt tttttttaaaa tcaattgata gtaaattcac  120
379 tttaaatgtc ataaaatcaa tttaatcaaa ctataactaa ttagaataaa atgaaaaata  180
381 aacttaaaac tttacgtgca gctttaaaga gatttactat aacaggaaat aaaaaaatat  240
383 tacattataa agttggaaaa aatcatctac taagtaaaaa gaataaaaaa agaaaaagac  300
385 atttatctgt taaagtaata attaatgaat atattaaaaa agcacaaatt aataaaattat  360
387 tgccatatat ttaaatatat ggagatgaat aaatataaaa ataaat                 407
390 <210> SEQ ID NO: 17
391 <211> LENGTH: 407
392 <212> TYPE: DNA
393 <213> ORGANISM: Cyanidium caldarium
395 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-C2
397 <400> SEQUENCE: 17
399 gcgccaatcc agaagaaaat aattcaattt taatggaaga agaaaccttg tagtaaactt   60
401 tattggaaaa ttcttttgcc tgtcctttat cttagtattg catcacaatg tttggagatc  120
403 atccttaaat tgtcgttgag gaaaacatgg cgacatttac ggcacgcctc aagcagctct  180
405 ggaatcatcc agcgggacct aaaacagtgt tttttgggc tcctaccatg aaatgggctt  240
407 tggtggttgc aggcctgtcc gatatgaagc gcccccctga gaaactttcc gtacctcaaa  300
409 acctagcttt ggcttgtact ggagttatct gggttcgata tagttttgta ataacaccag  360
411 taaactataa cttggcactg gtcaatacct ttgatggtgc taccggt                407
414 <210> SEQ ID NO: 18
415 <211> LENGTH: 417
416 <212> TYPE: DNA
417 <213> ORGANISM: Cyanidium caldarium
419 <223> OTHER INFORMATION: Clone ID: LIB190-001-Q1-E1-C5
421 <400> SEQUENCE: 18
423 attacctcta gtggcgctgc ataaagaaat tccaggagt gctatcgttg agttgaagac   60
425 agaactgcaa agacgcggct ctgacctgtg cgtcttgccc aagtttgta cggactccat  120
427 ccttgagata tgccataaat acggaataga agctatctac tacaactatg ccgagctccc  180
429 agaccaaatg cagcttcaga atgatatgat tactgatttg gagaatagag gtgttcaagt  240
431 caaaggtttt tggagcaata ctcttgtctc tccagagcag atggaaaaca taaaagcttc  300
433 agatattgga tttaggaagt tttcacagga agcgaagaat gtgaagactt ctgaacctct  360
435 tcgtactcca gacaagttac ctcgtgttcc tgaagacatt ccaacgagaa tggtaga     417
438 <210> SEQ ID NO: 19
439 <211> LENGTH: 388
440 <212> TYPE: DNA
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

```
                    VERIFICATION SUMMARY              DATE: 06/14/2000
                    PATENT APPLICATION:  US/09/540,235   TIME: 08:57:56

                    Input Set : N:\COPIES\PTOIES.txt
                    Output Set: N:\CRF3\06142000\I540235.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:291 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:12
L:291 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:12
L:291 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12
L:291 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12
L:448 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:19
L:448 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:19
L:448 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:19
L:448 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:19
L:629 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:26
L:629 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:26
L:629 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:26
L:629 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:26
L:704 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:29
L:704 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:29
L:704 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:29
L:704 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:29
L:779 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:32
L:779 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:32
L:779 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:32
L:779 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:32
L:966 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:40
L:966 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:40
L:966 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:40
L:966 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:40
L:1109 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:46
L:1109 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:46
L:1109 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:46
L:1109 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:46
L:1204 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:50
L:1204 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:50
L:1204 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:50
L:1204 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:50
L:1221 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:51
L:1221 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:51
L:1221 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:51
L:1221 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:51
L:1344 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:56
L:1344 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:56
L:1344 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:56
L:1344 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:56
L:1346 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:56
L:1346 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:56
L:1346 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:56
M:340 Repeated in SeqNo=56
L:1352 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:56
L:1352 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:56
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VERIFICATION SUMMARY   DATE: 06/14/2000
PATENT APPLICATION: US/09/540,235   TIME: 08:57:56

Input Set : N:\COPIES\PTOIES.txt
Output Set: N:\CRF3\06142000\I540235.raw

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L:1352 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:56
L:1356 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:56
L:1356 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:56
L:1356 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:56
L:1539 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:64
L:1539 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:64
L:1539 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:64
L:1539 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:64
L:1558 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:65
L:1558 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:65
L:1558 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:65
L:1558 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:65
L:1591 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:66
L:1591 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:66
L:1591 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:66
L:1591 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:66
L:1604 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:67
L:1604 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:67
L:1604 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:67
L:1655 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:69
L:1690 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:70
L:1751 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:73
L:1894 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:79
L:2041 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:85
L:2108 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:88
M:340 Repeated in SeqNo=88
L:2133 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:89
L:2206 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:92
L:2375 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:99
L:2488 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:104
L:2933 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:123
L:3392 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:143
M:340 Repeated in SeqNo=143
L:4097 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:172
L:4588 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:193
L:4873 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:206
L:5096 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:216
M:340 Repeated in SeqNo=216
L:5447 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:231
M:340 Repeated in SeqNo=231
L:5520 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:234
L:5585 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:237
L:5878 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:249
L:6027 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:255
L:6120 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:259
L:6443 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:273
L:6544 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:277
L:6599 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:279
L:6810 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:288
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VERIFICATION SUMMARY   DATE: 06/14/2000
PATENT APPLICATION: US/09/540,235   TIME: 08:57:56

Input Set : N:\COPIES\PTOIES.txt
Output Set: N:\CRF3\06142000\I540235.raw

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L:6911 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:292
L:7118 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:301
L:7167 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:303
M:340 Repeated in SeqNo=303
L:7214 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:305
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